

CODE:

```
CREATE DATABASE SCHOOLDB
```

```
USE SCHOOLDB
```

```
CREATE TABLE Student (  
    StudentID INT PRIMARY KEY,  
    FirstName VARCHAR(50),  
    LastName VARCHAR(50),  
    DateOfBirth DATE,  
    ClassID INT  
);
```

```
INSERT INTO Student (StudentID, FirstName, LastName, DateOfBirth, ClassID)  
VALUES
```

```
(1, 'soma sundar', 'Reddy', '2001-06-23', 1),  
(2, 'Tharun', 'Reddy', '2002-04-07', 5),  
(3, 'Suresh', 'Rao', '2005-09-20', 2),  
(4, 'Dhanu', 'Raj', '2007-01-25', 4),  
(5, 'manju', 'Nath', '2006-11-05', 5);
```

```
SELECT * FROM Student
```

```
CREATE TABLE Subjects (  
    SubjectID INT PRIMARY KEY,  
    SubjectName VARCHAR(50)  
);
```

```
INSERT INTO Subjects (SubjectID, SubjectName)  
VALUES
```

```
(1, 'Mathematics'),  
(2, 'Science'),  
(3, 'History'),  
(4, 'English'),  
(5, 'Physical Science');
```

```
SELECT * FROM Subjects
```

```
CREATE TABLE Classes (  
    ClassID INT PRIMARY KEY,  
    ClassName VARCHAR(20)  
);
```

```
INSERT INTO Classes (ClassID, ClassName)  
VALUES
```

```
(1, 'Class 1'),  
(2, 'Class 2'),  
(3, 'Class 3'),  
(4, 'Class 4'),  
(5, 'Class 5');
```

```
SELECT * FROM Classes
```

```
CREATE NONCLUSTERED INDEX IX_Student_ClassID ON Student (ClassID);
```

```
CREATE NONCLUSTERED INDEX IX_Student_LastName ON Student (LastName);
```

```
CREATE NONCLUSTERED INDEX IX_Subjects_SubjectName ON Subjects (SubjectName);
```

```
CREATE NONCLUSTERED INDEX IX_Classes_ClassName ON Classes (ClassName);
```

```
SELECT * FROM Student  
SELECT * FROM Subjects  
SELECT * FROM Classes
```

GIT Link : <https://github.com/sundar2568223/Phase2-Practice-MS-SQLQuery.git>